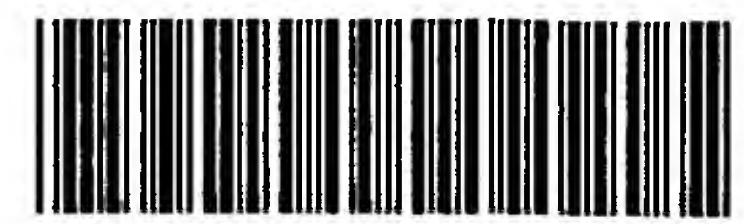


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/594,295
Source: IFWP
Date Processed by STIC: 10/6/06

ENTERED



IFWP

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006
 TIME: 11:09:19

Input Set : A:\50318.014001.txt
 Output Set: N:\CRF4\10062006\J594295.raw

3 <110> APPLICANT: SCHOFIELD, Christopher Joseph
 4 HEWITSON, Kirsty Sarah
 5 MCDONOUGH, Michael Arnold
 6 RATCLIFFE, Peter John
 7 MASSON, Norma
 8 COCKMAN, Matthew Edward
 10 <120> TITLE OF INVENTION: Assays
 12 <130> FILE REFERENCE: 50318/014001
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/594,295
 C--> 14 <141> CURRENT FILING DATE: 2006-09-27
 14 <150> PRIOR APPLICATION NUMBER: PCT/GB2005/001150
 15 <151> PRIOR FILING DATE: 2005-03-24
 17 <150> PRIOR APPLICATION NUMBER: GB 0425760.6
 18 <151> PRIOR FILING DATE: 2004-11-23
 20 <150> PRIOR APPLICATION NUMBER: GB 0406914.2
 21 <151> PRIOR FILING DATE: 2004-03-26
 23 <160> NUMBER OF SEQ ID NOS: 23
 25 <170> SOFTWARE: PatentIn version 3.3
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 21
 29 <212> TYPE: PRT
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
 34 Tyr Leu Gly Ile Val Glu Leu Leu Val Ser Leu Gly Ala Asp Val Asn
 35 1 5 10 15
 38 Ala Gln Glu Pro Cys
 39 20
 42 <210> SEQ ID NO: 2
 43 <211> LENGTH: 21
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Homo sapiens
 47 <400> SEQUENCE: 2
 49 Ser Leu Pro Cys Leu Leu Leu Val Ala Ala Gly Ala Asp Val Asn
 50 1 5 10 15
 53 Ala Gln Glu Gln Lys
 54 20
 57 <210> SEQ ID NO: 3
 58 <211> LENGTH: 21
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Homo sapiens
 62 <400> SEQUENCE: 3
 64 Asn Ala Leu Val Thr Lys Leu Leu Asp Cys Gly Ala Glu Val Asn
 65 1 5 10 15

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006
TIME: 11:09:19

Input Set : A:\50318.014001.txt
Output Set: N:\CRF4\10062006\J594295.raw

68 Ala Val Asp Asn Glu
69 20
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 11
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 4
79 Val Ala Ala Gly Ala Asp Val Asn Ala Gln Glu
80 1 5 10
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 4
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 5
90 Asp Val Asn Ala
91 1
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 31
96 <212> TYPE: DNA
97 <213> ORGANISM: Homo sapiens
99 <400> SEQUENCE: 6
100 gcctgccatg tttgaagctg ctgggtggccg c 31
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 31
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 7
109 gcggccacca gcagcttcaa acatggcagg c 31
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 32
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo sapiens
117 <400> SEQUENCE: 8
118 tctggggta cagtcgcaga gctggtgagg gc 32
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 32
123 <212> TYPE: DNA
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 9
127 gcctccacca gcactgcgac tgtacccca ga 32
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 349
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 10
137 Met Ala Ala Thr Ala Ala Glu Ala Val Ala Ser Gly Ser Gly Glu Pro
138 1 5 10 15
141 Arg Glu Glu Ala Gly Ala Leu Gly Pro Ala Trp Asp Glu Ser Gln Leu
142 20 25 30

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006
TIME: 11:09:19

Input Set : A:\50318.014001.txt
Output Set: N:\CRF4\10062006\J594295.raw

145 Arg Ser Tyr Ser Phe Pro Thr Arg Pro Ile Pro Arg Leu Ser Gln Ser
146 35 40 45
149 Asp Pro Arg Ala Glu Glu Leu Ile Glu Asn Glu Glu Pro Val Val Leu
150 50 55 60
153 Thr Asp Thr Asn Leu Val Tyr Pro Ala Leu Lys Trp Asp Leu Glu Tyr
154 65 70 75 80
157 Leu Gln Glu Asn Ile Gly Asn Gly Asp Phe Ser Val Tyr Ser Ala Ser
158 85 90 95
161 Thr His Lys Phe Leu Tyr Tyr Asp Glu Lys Lys Met Ala Asn Phe Gln
162 100 105 110
165 Asn Phe Lys Pro Arg Ser Asn Arg Glu Glu Met Lys Phe His Glu Phe
166 115 120 125
169 Val Glu Lys Leu Gln Asp Ile Gln Gln Arg Gly Gly Glu Glu Arg Leu
170 130 135 140
173 Tyr Leu Gln Gln Thr Leu Asn Asp Thr Val Gly Arg Lys Ile Val Met
174 145 150 155 160
177 Asp Phe Leu Gly Phe Asn Trp Asn Trp Ile Asn Lys Gln Gln Gly Lys
178 165 170 175
181 Arg Gly Trp Gly Gln Leu Thr Ser Asn Leu Leu Leu Ile Gly Met Glu
182 180 185 190
185 Gly Asn Val Thr Pro Ala His Tyr Asp Glu Gln Gln Asn Phe Phe Ala
186 195 200 205
189 Gln Ile Lys Gly Tyr Lys Arg Cys Ile Leu Phe Pro Pro Asp Gln Phe
190 210 215 220
193 Glu Cys Leu Tyr Pro Tyr Pro Val His His Pro Cys Asp Arg Gln Ser
194 225 230 235 240
197 Gln Val Asp Phe Asp Asn Pro Asp Tyr Glu Arg Phe Pro Asn Phe Gln
198 245 250 255
201 Asn Val Val Gly Tyr Glu Thr Val Val Gly Pro Gly Asp Val Leu Tyr
202 260 265 270
205 Ile Pro Met Tyr Trp Trp His His Ile Glu Ser Leu Leu Asn Gly Gly
206 275 280 285
209 Ile Thr Ile Thr Val Asn Phe Trp Tyr Lys Gly Ala Pro Thr Pro Lys
210 290 295 300
213 Arg Ile Glu Tyr Pro Leu Lys Ala His Gln Lys Val Ala Ile Met Arg
214 305 310 315 320
217 Asn Ile Glu Lys Met Leu Gly Glu Ala Leu Gly Asn Pro Gln Glu Val
218 325 330 335
221 Gly Pro Leu Leu Asn Thr Met Ile Lys Gly Arg Tyr Asn
222 340 345
225 <210> SEQ ID NO: 11
226 <211> LENGTH: 19
227 <212> TYPE: PRT
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 11
232 Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys Glu Val Asn
233 1 5 10 15
236 Ala Pro Ile
240 <210> SEQ ID NO: 12

RAW SEQUENCE LISTING DATE: 10/06/2006
PATENT APPLICATION: US/10/594,295 TIME: 11:09:19

Input Set : A:\50318.014001.txt
Output Set: N:\CRF4\10062006\J594295.raw

241 <211> LENGTH: 20
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 12
247 Ser Leu Ser Met Val Gln Leu Leu Leu Gln His Gly Ala Asn Val Asn
248 1 5 10 15
251 Ala Gln Met Tyr
252 20
255 <210> SEQ ID NO: 13
256 <211> LENGTH: 20
257 <212> TYPE: PRT
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 13
262 Phe Leu Asp Thr Leu Lys Val Leu Val Glu His Gly Ala Asp Val Asn
263 1 5 10 15
266 Val Pro Asp Gly
267 20
270 <210> SEQ ID NO: 14
271 <211> LENGTH: 20
272 <212> TYPE: PRT
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 14
277 His Ala Ser Ile Val Glu Val Leu Leu Lys His Gly Ala Asp Val Asn
278 1 5 10 15
281 Ala Lys Asp Met
282 20
285 <210> SEQ ID NO: 15
286 <211> LENGTH: 20
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 15
292 Asn Leu Glu Val Ala Glu Tyr Leu Leu Glu His Gly Ala Asp Val Asn
293 1 5 10 15
296 Ala Gln Asp Lys
297 20
300 <210> SEQ ID NO: 16
301 <211> LENGTH: 20
302 <212> TYPE: PRT
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 16
307 Val Glu Val Leu Lys Ile Leu Leu Asp Glu Met Gly Ala Asp Val Asn
308 1 5 10 15
311 Ala Cys Asp Asn
312 20
315 <210> SEQ ID NO: 17
316 <211> LENGTH: 20
317 <212> TYPE: PRT
318 <213> ORGANISM: Homo sapiens
320 <400> SEQUENCE: 17

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006
TIME: 11:09:19

Input Set : A:\50318.014001.txt
Output Set: N:\CRF4\10062006\J594295.raw

322 Arg Asp Glu Ile Val Lys Ala Leu Leu Gly Lys Gly Ala Gln Val Asn
323 1 5 10 15
326 Ala Val Asn Gln
327 20
330 <210> SEQ ID NO: 18
331 <211> LENGTH: 20
332 <212> TYPE: PRT
333 <213> ORGANISM: Homo sapiens
335 <400> SEQUENCE: 18
337 Gln Leu Glu Ile Leu Glu Phe Leu Leu Lys Gly Ala Asp Ile Asn
338 1 5 10 15
341 Ala Pro Asp Lys
342 20
345 <210> SEQ ID NO: 19
346 <211> LENGTH: 20
347 <212> TYPE: PRT
348 <213> ORGANISM: Homo sapiens
350 <400> SEQUENCE: 19
352 Tyr Thr Glu Val Leu Lys Leu Leu Ile Gln Ala Gly Tyr Asp Val Asn
353 1 5 10 15
356 Ile Lys Asp Tyr
357 20
360 <210> SEQ ID NO: 20
361 <211> LENGTH: 20
362 <212> TYPE: PRT
363 <213> ORGANISM: Homo sapiens
365 <400> SEQUENCE: 20
367 Asn Thr Arg Val Ala Ser Phe Leu Leu Gln His Asp Ala Asp Ile Asn
368 1 5 10 15
371 Ala Gln Thr Lys
372 20
375 <210> SEQ ID NO: 21
376 <211> LENGTH: 4
377 <212> TYPE: PRT
378 <213> ORGANISM: Homo sapiens
381 <220> FEATURE:
382 <221> NAME/KEY: MISC_FEATURE
383 <222> LOCATION: (1)...(1)
384 <223> OTHER INFORMATION: Xaa = Asp, Glu, Asn or Gln
386 <220> FEATURE:
387 <221> NAME/KEY: MISC_FEATURE
388 <222> LOCATION: (2)...(2)
389 <223> OTHER INFORMATION: Xaa = Val, Ile or Leu
391 <220> FEATURE:
392 <221> NAME/KEY: MISC_FEATURE
393 <222> LOCATION: (4)...(4)
394 <223> OTHER INFORMATION: Xaa = Ala, Val or Ile
396 <400> SEQUENCE: 21
W--> 398 Xaa Xaa Asn Xaa

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006
TIME: 11:09:20

Input Set : A:\50318.014001.txt
Output Set: N:\CRF4\10062006\J594295.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; Xaa Pos./1/2,4

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/594,295

DATE: 10/06/2006
TIME: 11:09:20

Input Set : A:\50318.014001.txt
Output Set: N:\CRF4\10062006\J594295.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0